



Industrial

DC Switch Disconnecter for Photovoltaic

Specifications and Dimensions

DC isolator specifically designed to increase safety, while saving installation time and protecting your solar systems.

DC isolator with robust and aesthetically appealing UV resistant enclosure is recommended for all solar installations.

- UV Rated weather shield enclosure
- IP66 Protection
- Superior aesthetic design
- High temperature resistance
- Superior seal, 4 screw design
- Pad lock handle and enclosure
- Earth terminal

Part No:

ERSP324DC



For any further comments or assistance please contact:

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|---|---|
| Type | ERSP324DC |
| Max. rated voltage | 1000V |
| Max. rated current | 32A |
| Available in pole versions | 2 pole and 4 pole |
| Extremely short power shut off time | 3m/s |
| Standard | IEC60947-3 DC-21B |
| Protection degree | IP66 |
| Flammability | UL-94V0 |
| Type of plastic | PC |
| Temperature range | -40°C ~ +120°C |
| UV and Chemical Resistance | ASTM D4459 of chromatism is ≤ 0.7 after 200h |
| Non-polarised | Compliance with AS/NZS 5033"2012 clause 4.3.5 |
| Pollution degree | 3 |
| Suitability for isolation | Yes |
| Contact Material | Copper Plated silver with oxidation resistance |
| Capping Plugs for screws to ensure IP Rating after installation | 4pcs |

| Specifications | |
|--------------------------------|--|
| Padlockable handle | 3 points |
| Measurement (L*W*H) | 187.6*98.6*108.6mm |
| Terminals | Rising Clamp |
| Cable Size | 4-16mm ² with flexible or rigid |
| Terminal Screw size | M4 |
| Terminal Screw torque | 1.2-1.8 Nm |
| Jumpers supplied | 3pcs insulated copper links |
| Contact | Knife Edge self cleaning |
| Torque required from operator | < 2 Nm |
| Uimp | 8kV |
| Icm/lcw | 1700A 1s / 1700A 1s |
| Insulation rating | 1000V |
| Contact switching time | < 5m/s |
| Switching type | Operator Independent, rotary |
| Energy Loss @ I _{max} | 0.016kW |
| Conduit entries | 4*25mm threaded |
| Number of Screws on lid | 4*304 stainless steel |

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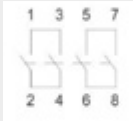
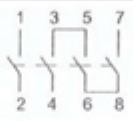


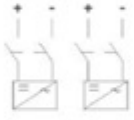
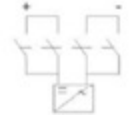
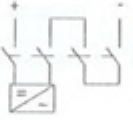
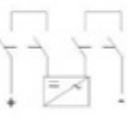
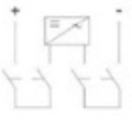
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Switching Configurations

| Type | 4-Pole | 2-Pole 4 Paralleled Poles | 2-Pole with input on top output bottom | 2-Pole with input and output bottom | 2-Pole with input and output on top |
|----------------------|---|---|---|---|---|
| ERSP324DC | 4 | 4H | 4S | 4B | 4T |
| Contact Wiring Graph |  |  |  |  |  |
| Switching Example |  |  |  |  |  |

Technical Data

| Contact Configuration | 500V | 600V | 800V | 1000V | Poles in Series | Number of Strings |
|---|------|------|------|-------|-----------------|-------------------|
|  | 32A | 13A | 9A | 9A | 0 | 2 |
|  | 32A | - | - | - | 2 | 1 |
|  | 32A | 32A | 32A | 32A | 3+1 | 1 |
|  | 32A | 32A | 32A | 32A | 2+2 | 1 |
|  | 32A | 32A | 32A | 32A | 2+2 | 1 |

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